

Amendments to the Specification:

On page 1, prior to the first paragraph which begins on line 4, please insert the following:

FIELD OF THE INVENTION

Please replace the paragraph which begins on page 1, line 5 and ends on line 9, with the following rewritten paragraph:

The present invention relates to sensors requiring a liquid substance as a reference or calibration solution. To these sensors belong, for example, potentiometric sensors, especially pH-sensors or redox sensors, which will be used as examples in the following, although the invention is not to be limited to these examples.

On page 1, prior to the second paragraph which begins on line 11, please insert the following:

BACKGROUND OF THE INVENTION

On page 1, prior to the paragraph which begins on line 26, please insert the following:

SUMMARY OF THE INVENTION

Please replace the paragraph which begins on page 2, line 1 and ends on line 3, with the following rewritten paragraph:

The object is achieved according to the invention by the plug head ~~of the independent claim 1~~ and ~~by the sensor arrangement of the independent claim 8.~~

Please insert on page 2, before line 15 the following new paragraphs:

BRIEF DESCRIPTION OF THE DRAWINGS

Further advantages and perspectives of the invention are contained in the dependent claims, the description of the examples of embodiments, and the drawings, the figures of which show as follows:

Fig. 1 is a longitudinal section through a first example of an embodiment of the plug head of the invention and a pH-electrode of the invention, with galvanic contacts and an opening on an end face of the reference container;

Fig. 2 is a longitudinal section through a second example of an embodiment of a plug head in a pH-electrode with a container opening on the lateral surface of the electrode; and

Fig. 3 is a detail view of a longitudinal section through another example of an embodiment of a plug head of the invention and a pH-electrode of the invention, with inductive signal transfer between the plug head and the pH-electrode.

DETAILED DESCRIPTION

On page 6, please delete lines 1 through 18 in their entirety.